PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PC20040001		FOR FURTHER ACTION See Form PCT/IPEA/4		PEA/416				
International application No. PCT/JP2004/015046		International filing date (day/mo	Priority date (day 21.11.2	•				
	ional Patent Classification (IPC) or nat B29/30, G02B1/00,							
Applica NAT	nt 'IONAL INSTITUTE F	OR MATERIALS SC	IENCE					
1.	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.							
2.	This REPORT consists of a total of	3 s	heets, including this cover sheet.					
3.	This report is also accompanied by	ANNEXES, comprising:						
	a. (sent to the applicant and	d to the International Bureau) a tot	al of 6	sheets, as follows:				
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental							
	Box. b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))							
	b (sent to the International	Bureau omy) a total of (malcale t	-					
	related thereto, in compute	er readable form only, as indicated		quence listing and/or tables ng to Sequence Listing (see				
Section 802 of the Administrative Instructions).								
4.	This report contains indications relat	ing to the following items:						
	Box No. I Basis of th	e report						
	Box No. II Priority							
	Box No. III Non-estable	ishment of opinion with regard to	novelty, inventive step and industr	rial applicability				
	Box No. IV Lack of un	ity of invention						
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
	Box No. VI Certain do	cuments cited						
	Box No. VII Certain de	fects in the international applicatio	n					
	Box No. VIII Certain observations on the international application							
Date of	submission of the demand	Date of co	ompletion of this report					
Name a	nd mailing address of the IPEA/JP	Authorize	d officer					
Facsimi	le No.	Telephone	e No.					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/015046

Box No	. I	Basis of the report						
1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.								
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:							
	i	nternational search (Rule 12.3 and 23.1(b))						
	p	oublication of the international application (Rule 12.	4)					
	i	nternational preliminary examination (Rule 55.2 and	d/or 55.3)					
re	_	to the elements of the international application, this fice in response to an invitation under Article 14 a	-		•			
	the inte	ernational application as originally filed/furnished						
	the des	cription:						
	pages	3,4,6			as originally filed/furnished			
	pages*	1,2,5,7,8	received by this Authority on	31.08	.2005			
	pages*		received by this Authority on					
\geq	the clai	ims:						
	nos.				as originally filed/furnished			
	nos.*		as amended (togethe	er with an	y statement) under Article 19			
	nos.*	1-3	received by this Authority on	·	,			
\triangleright	the dra		_					
	sheets	fig. 1-7			as originally filed/furnished			
	sheets*							
_	sheets*	·	_ received by this Authority on					
	a seque	ence listing and/or any related table(s) – see Suppler	nental Box Relating to Sequence L	isting.				
3.	The an	nendments have resulted in the cancellation of:						
		he description, pages						
		the claims, nos.						
	the drawings, sheets/figs							
		he sequence listing (specify):						
	а	any table(s) related to sequence listing (specify):						
4.		eport has been established as if (some of) the amen ave been considered to go beyond the disclosure as f	_					
		he description, pages						
		the claims, nos. the drawings, sheets/figs						
	the sequence listing (specify): any table(s) related to sequence listing (specify):							
*		lies, some or all of those sheets may be marked "sup						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/015046

Вох			ticle 35(2) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-3	YES
		Claims		NO
	Inventive step (IS)	Claims	1-3	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-3	YES
		Claims		NO

2. Citations and explanations (Rule 70.7)

Document 1: JP 2001-287999 A (Independent Administrative Institution The National Institute for Materials Science et al.), 16 October 2001

Document 2: JP 2002-300001 A (Kyocera Corp.), 11 October 2002

Claims 1 to 3

The inventions set forth in claims 1 to 3 involve an inventive step in relation to documents 1 and 2 cited in the international search report.

Documents 1 and 2 do not disclose the lithium tantalate lens material with a birefringence of between -0.0005 and 0.0005, which comprises lithium oxide and tantalum oxide at a molar composition ratio of not less than 0.975 and not more than 0.982. Furthermore, it would not have been easy for a person skilled in the art to conceive of this lithium tantalate lens material in the light of the lithium tantalate compositions that are disclosed in documents 1 and 2.